

VIRGINIA DEPARTMENT OF ENERGY

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Re-Pooling VC-538420 Nora Grid 91-BL)
Nora Coalbed Gas Field)
Legal)
Description:)
JM & LL MCFARLAND T-603 Tract) Docket Number:
350.00 acres, more or less) VGOB-22-0621-4242-01
Hurricane District)
Big A Mountain Quadrangle)
Buchanan County, Virginia)
)
(See Exhibit "A" For Specific)
Description))

APPLICATION

1. Parties: Applicant herein is EnerVest Operating, L.L.C., whose address for the purposes hereof is 408 West Main Street, Abingdon, Virginia 24212 Telephone: (276) 628-9001. The attorney for Applicant is Timothy E. Scott, whose address is 135 West Main Street, Suite 200, Kingsport, Tennessee 37660, Telephone: (423) 247-9376. The unleased entities or persons are listed on Exhibit B-3, attached hereto and made a party hereto. Set forth in Exhibit B is the name and last-known address of each owner of record identified by Applicant as having an interest in the oil, gas and coalbed methane underlying the unit described in Exhibit A, attached hereto and made part hereof. Each of the unleased individuals named in Exhibit B-3 is being made a party if living; if any such individual is deceased, then the unknown heirs, executors, administrators, devisees, trustees and assignees, both immediate and remote, of any such deceased individual are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is a corporation is being made a party if such entity continues to have legal existence, and if any such corporation is dissolved, then the unknown successors, trustees, and assigns, both immediate and remote, of such dissolved corporation are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is an unincorporated association is being made a party if such entity continues to have legal existence, and if any such unincorporated association is dissolved or otherwise not in existence, then the unknown successors, trustees and assigns, both immediate and remote, of such unincorporated association are made parties herein.

2. Allegation of Facts: Applicant is the owner of the right to develop and produce coalbed methane from all formations, from the surface to the total depth drilled within the Nora Coalbed Gas Field and underlying the lands described on Exhibit A attached hereto and made a part hereof and to appropriate the oil, gas and coalbed methane produced therefrom.

(a) Applicant has proposed a plan of development and operation of the Formations underlying the drilling unit involved herein (described and depicted on Exhibit A attached hereto and made a part hereof) and has proposed to commence such plan of development and operation of such unit by a well, designated as well number VC-538420 Nora Grid 91-BL under such plan in the lands involved herein so as to produce oil, gas and coalbed methane from the proposed unit.


- (b) A Well work permit for well number VC-538420 Nora Grid 91-BL is currently or is anticipated to be pending before the Virginia Department of Energy.
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to re-pooling their interest for the development and operation of the well involved herein. Simultaneously with the filing of this application, Applicant has provided notice to each of the unleased parties set forth in Exhibit B-3 pursuant to the provisions of § 45.2-1618 of the Virginia Code Annotated. Applicant hereby notifies the Board that where the identity or location of any person is shown as "unknown" on Exhibit B-3, then Applicant is unable to provide such person with written notice of the application herein. The interest of all unleased persons in the Formations underlying the drilling unit for well number VC-538420 Nora 91-BL should be re-pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 3,200 feet on the Subject Lands to test for oil, gas and coalbed methane in the Subject Formations, including all Pennsylvanian age coals from the top of the Aily, including but not limited to Raven, Jawbone Rider, Jawbone, Tiller, Upper Seaboard, Greasy Creek, Upper Horsepen, Middle Horsepen, War Creek, Beckley, Lower Horsepen, Pocahontas #9, Pocahontas #3, Pocahontas #2, and Pocahontas #1 and any unnamed coal seams and other associated formations known as the Nora Coalbed Gas Field. Applicant estimates the cost for a well to said depth to be \$699,541.00 for a well completed for production. Exhibit C, attached hereto and made part hereof, is Applicant's signed Authorization for Expenditure ("AFE") which shows the estimated cost of drilling, completing and equipping said well.
- (e) The estimated production over the life of the proposed well is 900 mmcf. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose.

3. Legal Authority: The relief sought by this Application is authorized by Virginia Code Annotated § 45.2-1620 et seq. and § 4 VAC 25-160-70 et seq.

4. Relief Sought: Applicant requests the Virginia Gas and Oil Board to enter an order re-pooling all unleased interests or estates of all persons or entities owning oil, gas and coalbed methane interests in the Formations underlying the tracts encompassed by the drilling unit supporting well number VC-538420 Nora Grid 91-BL, and (I) authorizing the drilling and operation of a well for the production of oil, gas and coalbed methane from the re-pooled acreage; (II) designating Applicant as the party authorized to drill and operate such well; (III) prescribing the time, manner, and other conditions under which unleased parties owning an interest in the oil, gas and coalbed methane may elect to participate in the operation of such well, or to exercise their rights of election under the applicable statutes; (IV) providing that all reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning such well shall be borne, and all production therefrom, shared, by all participating parties in the proportion which the acreage in the re-pooled tracts owned or under lease to each such participating party bears to the total acreage in such unit; and (V) making provision for the payment of all reasonable costs of the operation, including a reasonable supervision fee, to the Applicant by all parties who elect to participate therein or who elect to be carried interest owners.

Dated this 17th day of February, 2023.

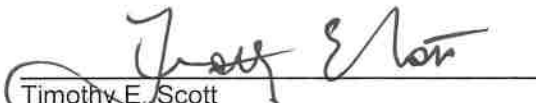
ENERVEST OPERATING, L.L.C



Timothy E. Scott
135 West Main Street, Suite 200
Kingsport, Tennessee 37660
(423) 247-9376

VERIFICATION

The foregoing Application to the best of my knowledge, information and belief is true and correct.



Timothy E. Scott

VIRGINIA DEPARTMENT OF ENERGY
BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
)	
Relief Sought:	Re-Pooling)	
)	
Location:	See Exhibit "A")	Docket No.
Well Number:	VCI-538420 Nora Grid 91-BL Nora Coalbed Gas Field)	VGOB-22-0621-4242-01
)	
Legal Description:	JM & LL MCFARLAND T-603 Tract 350.00 acres, more or less Hurricane District Big A Mountain Quadrangle Buchanan County, Virginia)	
)	
)	
)	
)	
)	

NOTICE OF HEARING

HEARING DATE: March 21, 2023
PLACE: 3405 Mountain Empire Rd, Big Stone Gap, VA
24219
Virginia Department of Energy website
TIME: 10:00 a.m.

COMMONWEALTH OF VIRGINIA: To all unleased persons owning an interest in the oil, gas and coalbed methane in and underlying the unit surrounding VCI-538420 Nora Grid 91-BL described on Exhibit "A" to the Application, which is attached to this Notice, in Buchanan County, Virginia (hereinafter "Subject Lands") and adjacent lands, and in particular to the following persons, their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote:

See attached Exhibit B-3.

NOTICE IS HEREBY GIVEN that the Applicant is requesting that the Virginia Gas and Oil Board (hereinafter "Board") issue an order pooling all the rights, interests, and estates of the unleased persons pursuant to Virginia Code Ann. § 45.2-1600 et seq. in regard to the drilling, development and production of oil, gas and coalbed methane from drilling unit VCI-538420 Nora Grid 91-BL containing approximately 58.80 acres, located on the above-referenced tracts situated approximately 3,200 feet northwest of the intersection of Virginia State Routes 602 and 601 and approximately 7,000 feet southeast of Virginia State Routes 601 And 672 in the Hurricane District, Big A Mountain Quadrangle of Buchanan County, Virginia.

Applicant requests that the Board issue an order providing as follows:

- a. Pooling all the interests and estates of the persons named herein and their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling, development and production of oil, gas and coalbed methane from the subject drilling unit for the Subject Formations underlying and comprised of the Subject Lands;

b. Establishing a procedure whereby each person named herein shall have the right to elect (1) to assign or lease his oil, gas and coalbed methane interest in the subject drilling unit to the designated operator; (2) to enter into a voluntary agreement with the designated operator to share in the operation (including the sharing in all reasonable costs of the drilling of the well and development of the unit) at a rate of payment mutually agreed to by the person making the election hereunder and the designated operator herein; or (3) to share in the operation of the well as a nonparticipating operator on a carried basis after the proceeds allocable to such person's share equal the following:

In the case of a leased tract, 300 percent of the share of the costs allocable to such person's interest; or

In the case of an unleased tract, 200 percent of the share of costs allocable to such person's interest;

c. Providing that any person named herein who does not make a timely written election under the terms of the Order to be entered herein shall be deemed to have leased his oil, gas and coalbed methane interest in the subject drilling unit to the operator designated herein at a rate to be established by the Board;

d. Designating Applicant, EnerVest Operating, L.L.C., as Operator; providing that the Operator shall have the right to drill, develop, produce, market and sell oil, gas and coalbed methane produced from the subject drilling unit; granting the Operator the right to market and sell oil, gas and coalbed methane produced from the subject drilling unit which is attributable to the conflicting claims and interest re-pooled herein; providing that the Operator shall have an operator's lien on the oil, gas and coalbed methane estate and rights owned or claimed by the unleased persons named herein in the subject drilling unit; and granting the Operator the right to drill at any legal or specially permitted location on the subject drilling unit;

e. Making any necessary provision for the escrow of funds pursuant to Va. Code Ann. § 45.2-1622;

f. Providing that the Order to be entered herein shall expire two (2) years from the date of its issuance if operations for the development of the subject drilling unit have not commenced by said date; but further providing that if operations have commenced during said two year period, then said order shall remain in effect for so long as operations continue on the subject drilling unit;

g. Providing that the conduct of operations on any tract in the subject drilling unit shall be deemed to be the conduct of operations on all tracts in the drilling unit; and providing that the production allocated to any tract in the re-pooled drilling unit shall be in the same proportion as the acreage of that tract bears to the total acreage in the drilling unit; and

h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at **10:00 a.m. on March 21, 2023** at 3405 Mountain Empire Rd, Big Stone Gap, VA 24219 and that notice will be published as required by the law and the rules of the Board.

NOTICE IS FURTHER GIVEN that you may attend this hearing, with or without an attorney, and offer evidence or state any comments you have. The Board rules require that any written objections you wish to file must be filed with the Board at least 10 days before the hearing. For further information, contact the Virginia Gas and Oil Board, State Gas and Oil Inspector, Virginia

Department of Energy, Division of Gas and Oil, 3405 Mountain Empire Rd, Big Stone Gap, VA 24219, (276) 523-8100 or the Applicant at the address shown below.

DATED this 17th day of February, 2023.

EnerVest Operating, L.L.C.
408 West Main Street
Abingdon, Virginia 24212



Timothy E. Scott

Counsel for
EnerVest Operating, L.L.C.
135 West Main Street
Suite 200
Kingsport, Tennessee 37660
(423) 247-9376

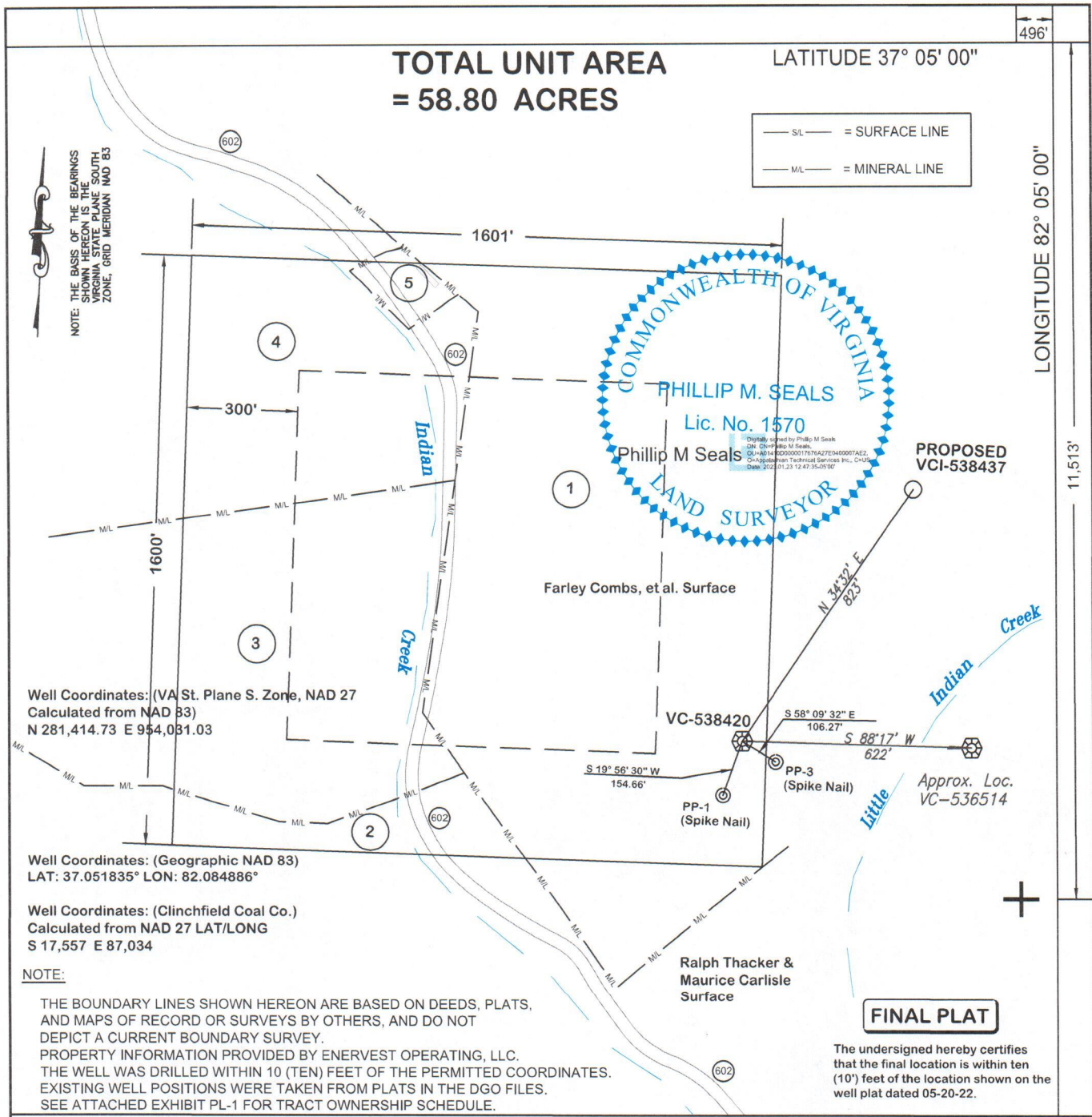
CERTIFICATE OF SERVICE

I, Timothy E. Scott, counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 17th day of February, 2023, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 17th day of February, 2023.



Timothy E. Scott



WELL LOCATION PLAT (Nora Grid BL-91)

COMPANY EnerVest Operating, LLC WELL NAME OR NUMBER VC-538420

TRACT NO. T-603 QUADRANGLE Big A Mountain

DISTRICT Hurricane

WELL COORDINATES (VIRGINIA STATE PLANE 83) N 3,562,292.00 E 10,437,017.38

ELEVATION 2,195.44 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.

COUNTY Buchanan SCALE: 1" = 400' DATE 01-23-2023

THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT

⊕ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000, LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

Phillip M. Seals

LICENSED LAND SURVEYOR

EXHIBIT PL-1

Property Ownership Information for VC-538420

01-23-2023

①

T-603
JM & LL MCFARLAND
350 ACRES
Farley Combs, et al.- Surface
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &
ENERVEST XIV-WIC NORA LLC
oil, gas & cbm
GAS 31.52 AC. 53.61 %

②

TC-236
CORNELIUS BALL
220 ACRES
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC (CBM)
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &
ENERVEST XIV-WIC NORA LLC (CBM)
UNLEASED
RICHARD WILSON ET AL. & Thomas Dotson - OIL & GAS (CBM)
116 ACRES
GAS 2.71 AC. 4.61 %

③

TC-236
CORNELIUS BALL
220 ACRES
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC (CBM)
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &
ENERVEST XIV-WIC NORA LLC (CBM)
UNLEASED
JAMES MURPHY, ET AL. - OIL & GAS (CBM)
43 ACRES
GAS 13.49 AC. 22.94 %

④

TC-236
CORNELIUS BALL
220 ACRES
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC (CBM)
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &
ENERVEST XIV-WIC NORA LLC (CBM)
UNLEASED
ANNA BALL HEIRS - OIL & GAS (CBM)
60 ACRES
GAS 10.41 AC. 17.70 %

EXHIBIT PL-1

Property Ownership Information for VC-538420

01-23-2023

5

TC-236
CORNELIUS BALL
220 ACRES
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC (CBM)
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &
ENERVEST XIV-WIC NORA LLC (CBM)
UNLEASED
CORNELIUS BALL HEIRS - OIL & GAS (CBM)
0.75 ACRES
GAS 0.67 AC. 1.14 %

Exhibit "B"
VC-538420
22-0621-4242-01
Revised: 2/13/2023

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	EnerVest XIV-A Nora LLC, EnerVest XIV-WIC Nora LLC, & EnerVest Energy Institutional Fund XIV-1A, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	53.61000000	31.52000000
2	<i>Tax ID - Minerals Only</i> Richard L. Wilson and Judy Wilson 1347 Grover Hill Road Honaker, VA 24260	Leased	0.92200000	0.54200000
	David W. Wilson and Rita Wilson P.O. Box 453 Davenport, VA 24239	Leased	0.92200000	0.54200000
	Dexter G. Wilson and Melissa Wilson 4815 Combs Ridge Road Honaker, VA 24260	Leased	0.92200000	0.54200000
	Linda M. Harris and Harlis Harris 1620 Nance White Branch Road Honaker, VA 24260	Leased	0.92200000	0.54200000
	Anita W. Owens and Denver Owens 2003 Combs Ridge Road Honaker, VA 24260	Leased	0.92200000	0.54200000
	Tract 2 Totals		4.61000000	2.71000000
3	<i>Tax ID - Minerals Only</i> James R. Murphy and Anna Murphy 1391 Finney Road Honaker, VA 24260	Leased	9.17600000	5.39600000
	Virginia L. Murphy 7376 Finney Road Honaker, VA 24260	Leased	6.88200000	4.04700000
	Heirs of Norma C. Stevens Ronnie L. Stevens 12795 River Mountain Road Lebanon, VA 24266	Leased	1.72050000	1.01175000
	Gerald Bryant Stevens P.O. Box 1057 Honaker, VA 24260	Leased	1.72050000	1.01175000

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Grady Randall Stevens 8 Fairway Drive Portsmouth, VA 23701	Leased	1.72050000	1.01175000
	Michael D. Stevens P.O. Box 1761 Honaker, VA 24260	Leased	1.72050000	1.01175000
Tract 3 Totals			22.94000000	13.49000000
4	<i>Tax ID - Minerals Only</i> Norma L.Harris 24 Biscayne Pl. Sterling, VA 20164	Leased	0.36122449	0.21244898
	Terry Skeens 3640 Applewood Rd. Richmond, VA 23234	Leased	0.36122449	0.21244898
	Ellen Parks 143 Farm View Rd. Front Royal, VA 22630	Leased	0.36122449	0.21244898
	Nancy Virginia Skeens, Widow 709 Kilarney Dr. Fredricksburg, VA 22407	Leased	0.36122449	0.21244898
	Shelby Skeens, Widow 153 Old Park Rd. Montross, VA 22520-2002	Leased	0.36122449	0.21244898
	Lacy Breeding, Jr. and Demmie Breeding, h/w 7851 Carrollton Pike Galax, VA 24333-5956	Leased	0.07224490	0.04248980
	Gary D. Breeding 3833 River Rd. Hopewell, VA 23860-1644	Leased	0.07224490	0.04248980
	Tommy J. Breeding 1433 River Mountain Rd. Lebanon, VA 24266	Leased	0.07224490	0.04248980
	Ronald Breeding 1829 Spring City Rd. Cleveland, VA 24225	Leased	0.07224490	0.04248980
	Peggy A. Leonard 1215 Tremont Ave. Bristol, VA 37620	Leased	0.07224490	0.04248980
	Betty A. Mathis and Ronald K. Mathis, w/h 562 Fulla Lane Heath, OH 43056-9239	Leased	0.06020408	0.03540816

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
4	Ada E. Wilson, Widow 1080 S. 30 St. - Apt.204 Mitchell Retirement Village Heath, OH 43056	Leased	0.06020408	0.03540816
	Leonard Parrott and Pauline Parrott, h/w 244 Browntown Rd. Max Meadows, VA 24360	Leased	0.06020408	0.03540816
	Donald Mabe 244 Browntown Rd. Max Meadows, VA 24360	Leased	0.06020408	0.03540816
	David Mabe 723 Copper Rd. Cleveland, VA 24225	Leased	0.06020408	0.03540816
	James Parrott and Kay Parrott, h/w 572 Myrtle Ave Newark, OH 43055-3193	Leased	0.06020408	0.03540816
	Terry W. McGlothlin 6423 McGlothlin Lane Dublin, VA 24084	Leased	1.26428571	0.74357143
	Betty J. Peyton 4330 Little Creek Rd. Dublin, VA 24084	Leased	1.26428571	0.74357143
	Sharlene Compton Sheets 140 Carib Street Martinsburg, WV 25405	Leased	1.26428571	0.74357143
	Anna Compton Pauley 140 Carib St. Martinsburg, WV 25405	Leased	1.26428571	0.74357143
4	Katherine Ball c/o Linda L. Griffith 512 Shannon St. Tazewell, VA 24651	Leased	2.52857143	1.48714286
	Heirs of Lovis Ball Brown Unknown/Unlocateable	Unleased	2.52857143	1.48714286
	Linda L. Griffith 512 Shannon St. Tazewell, VA 24651	Leased	1.26428571	0.74357143
	Mike A. Ball and Emily A. Ball, h/w 3808 Combs Ridge Rd. Honaker, VA 24260	Leased	1.26428571	0.74357143
	Moses A. Ball, Jr. and Patricia M. Ball, h/w 1262 SW Maplewood Dr. Port Saint Lucie, FL 34986	Leased	1.26428571	0.74357143

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
4	Todd J. Pioch 3405 Brownes Creek Rd Charlotte, NC 28269	Leased	0.63214286	0.37178571
	Tammy K. Pioch 1574 Trestle Glen Rd Oakland, CA 94610	Leased	0.63214286	0.37178571
Tract 4 Totals			17.70000000	10.41000000
5	<i>Tax ID - Minerals Only</i> Linda L. Griffith 512 Shannon St. Tazewell, VA 24651	Leased	0.97714286	0.57428571
	Norma L.Harris 24 Biscayne Pl. Sterling, VA 20164	Leased	0.02326531	0.01367347
	Terry Skeens 3640 Applewood Rd. Richmond, VA 23234	Leased	0.02326531	0.01367347
	Ellen Parks 143 Farm View Rd. Front Royal, VA 22630	Leased	0.02326531	0.01367347
	Nancy Virginia Skeens, Widow 709 Kilarney Dr. Fredricksburg, VA 22407	Leased	0.02326531	0.01367347
	Shelby Skeens, Widow 153 Old Park Rd. Montross, VA 22520-2002	Leased	0.02326531	0.01367347
	Lacy Breeding, Jr. and Demmie Breeding, H/W 7851 Carrollton Pike Galax, VA 24333-5956	Leased	0.00465306	0.00273469
	Gary D. Breeding 3833 River Rd. Hopewell, VA 23860-1644	Leased	0.00465306	0.00273469
	Tommy J. Breeding 1433 River Mountain Rd. Lebanon, VA 24266	Leased	0.00465306	0.00273469
	Ronald Breeding 1829 Spring City Rd. Cleveland, VA 24225	Leased	0.00465306	0.00273469

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
5	Peggy A. Leonard 1215 Tremont Ave. Bristol, VA 37620	Leased	0.00465306	0.00273469
	Betty A. Mathis and Ronald K. Mathis, W/H 562 Fulla Lane Heath, OH 43056-9239	Leased	0.00387755	0.00227891
	Ada E. Wilson, Widow 1080 S. 30 St. - Apt.204 Mitchell Retirement Village Heath, OH 43056	Leased	0.00387755	0.00227891
	Leonard Parrott and Pauline Parrott, H/W 244 Browntown Rd. Max Meadows, VA 24360	Leased	0.00387755	0.00227891
	Donald Mabe 244 Browntown Rd. Max Meadows, VA 24360	Leased	0.00387755	0.00227891
	David Mabe 723 Copper Rd. Cleveland, VA 24225	Leased	0.00387755	0.00227891
	James Parrott and Kay Parrott, H/W 572 Myrtle Ave Newark, OH 43055-3193	Leased	0.00387755	0.00227891
Tract 5 Totals			1.14000000	0.67000000
TOTAL GAS ESTATE			100.00000000	58.80000000
Percentage of Unit Leased		97.47142857		
Percentage of Unit Unleased		2.52857143		
Acreage in Unit Leased		57.31285714		
Acreage in Unit Unleased		1.48714286		

Exhibit "B-3"
VCI-538420
22-0621-4242-01
Revised: 2/13/2023

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
4	<i>Tax ID# Minerals Only</i> Heirs of Lovis Ball Brown Unknown/Unlocateable	Unleased	2.69142857	1.58285714
TOTAL GAS ESTATE			2.69142857	1.58285714

Company: EnerVest Operating, L.L.C.
Virginia Gas And Oil Template -- Estimate Authorization For Expenditure (AFE)

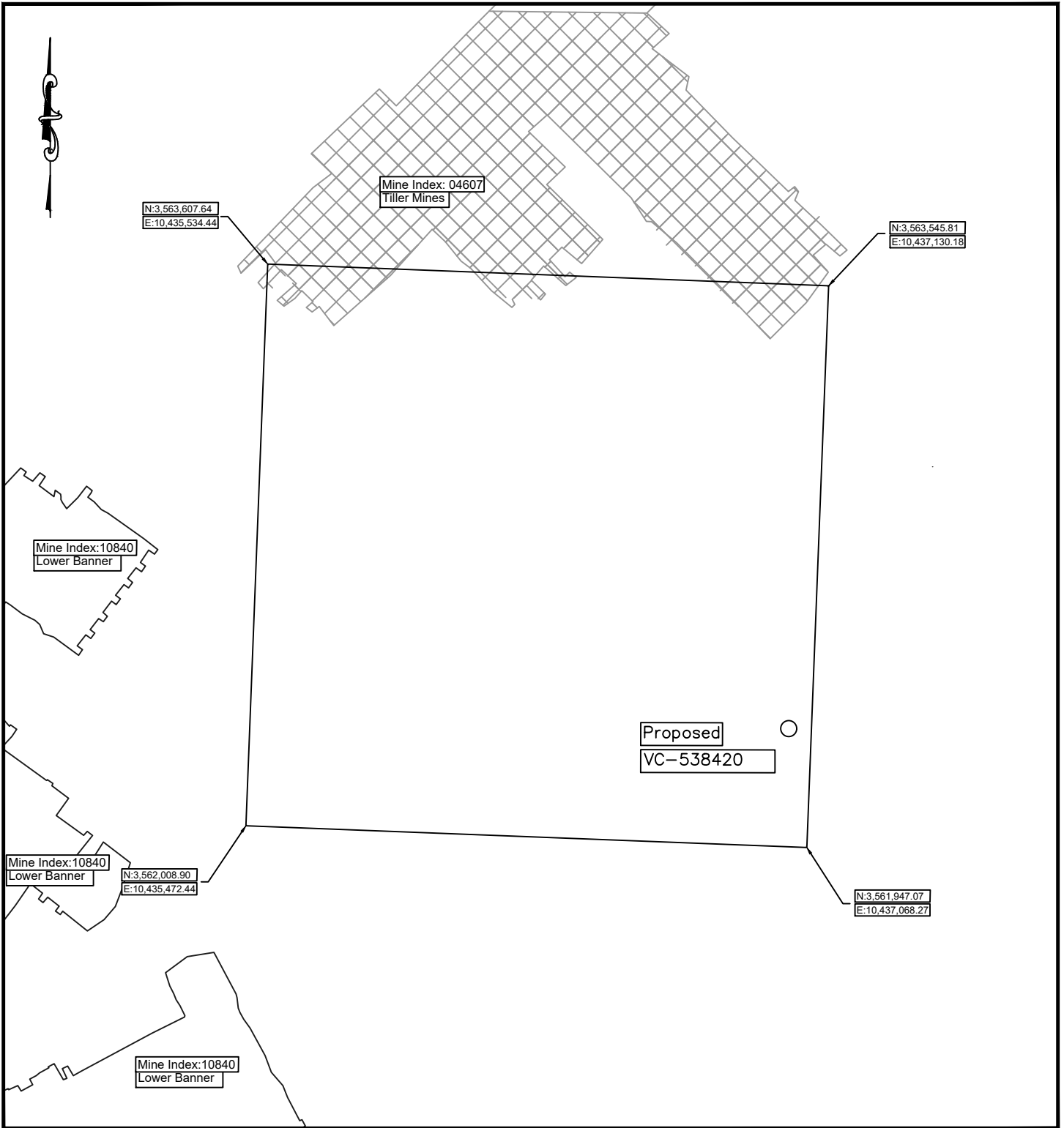
AFE #	
VC-538420	
Location: Dickenson County, VA	
Expected Pay Zones: PENNSYLVANIAN COALS	
Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION	
Property #	Version # 1
Field: NORA FIELD	Completed By: TEAM
Operator: EnerVest Operating, L.L.C.	5/5/2022
Estimated Total Depth: 3,200 FT	AAPG Class: DEVELOPMENT
Participant(s): EnerVest Operating, L.L.C.	W.L.: 100% Amount: \$699,541

Description	Casing Point	Completion	Total Cost
Leasehold Costs	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$7,500	\$0	\$7,500
Building Location/Materials	\$33,902	\$6,724	\$40,626
Roads / Stone / Culverts	\$12,000	\$5,000	\$17,000
Surface Damages	\$10,000	\$0	\$10,000
Drilling - Footage	\$88,000	\$0	\$88,000
Drilling - Mobilization	\$0	\$0	\$0
Drilling - Dayrate	\$0	\$0	\$0
Mud & Chemicals (Drilling)	\$0	\$0	\$0
Fuel	\$0	\$0	\$0
Cement Services	\$6,100	\$12,250	\$18,350
Open Hole Logging & Testing	\$3,930	\$0	\$3,930
Trucking / Dozer (Drilling)	\$0	\$0	\$0
Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
Drilling - Bits	\$0	\$0	\$0
Technical Supervision (Drilling)	\$0	\$0	\$0
Fresh Water Hauling (Drilling)	\$0	\$0	\$0
Overhead Rate	\$7,000	\$3,000	\$10,000
Misc. & Contingencies (Insurance)	\$500	\$0	\$500
Location Rds/Stone/Culverts	\$0	\$0	\$0
Trucking / Dozer (Completion)	\$0	\$5,072	\$5,072
Technical Supervision (Completion)	\$0	\$6,000	\$6,000
Cased Hole Logging / Perforating	\$0	\$31,100	\$31,100
Stimulation / Fracturing	\$0	\$145,000	\$145,000
Completion Rig	\$0	\$14,840	\$14,840
Reclamation & Damages	\$12,000	\$0	\$12,000
Haul Pit Water / Disposal	\$0	\$2,000	\$2,000
Cement Production Casing	\$0	\$0	\$0
Rental Tools & Equipment (Completion)	\$0	\$13,866	\$13,866
Fresh Water Hauling (Completion)	\$0	\$5,950	\$5,950
Roustabout Labor	\$2,125	\$7,894	\$10,019
Environmental & Safety	\$1,000	\$1,000	\$2,000
TOTAL INTANGIBLES	\$184,057	\$259,696	\$443,753

Description	Casing Point	Completion	Total Cost
" Conductor	40 Ft	\$1,575	\$1,575
" 26 lb/ft LS Surface Csg	300 Ft	\$7,719	\$7,719
" 19 lb/ft LS Intermediate Csg	Ft	\$0	\$0
4 1/2" 9.5 lb/ft M-65 Production Csg	Ft	\$0	\$0
4 1/2" 10.5 lb/ft M-65 Production Csg	3,200 Ft	\$59,126	\$59,126
2-3/8" 4.7 lb/ft J55 8rd Production Tubing	3,150 Ft	\$25,360	\$25,360
Wellhead Equipment / Fittings	\$3,490	\$1,083	\$4,574
Tank Battery	\$0	\$18,235	\$18,235
Separator / Heater / Treater	\$0	\$8,178	\$8,178
Gas Lift Equipment	\$0	\$0	\$0
Rods / Stuffing Box	\$0	\$13,032	\$13,032
Downhole Pump	\$0	\$0	\$0
Pumping Unit / Motor	\$0	\$13,292	\$13,292
Electric Service & Equipment	\$0	\$41,735	\$41,735
Valves & Fittings	\$0	\$4,459	\$4,459
Flow Line labor/material	\$0	\$10,679	\$10,679
Sales line labor/mat/row	\$0	\$47,824	\$47,824
TOTAL TANGIBLES	\$12,785	\$243,003	\$255,788
GRAND TOTAL WELL COST	\$196,842	\$502,700	\$699,541
Plugging & Abandonment		\$36,000	
Production Costs :	\$699,541	Dry Hole Costs :	\$231,842

Operations Tom Carlson Date 5/5/2022
 Engineering Michael G. Cole Date 5/5/2022
 Geology James G... Date 5/5/2022
 Land Kevin A. Miller Date 5/5/2022

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.



WELL & MINE LOCATION MAP

NORA GRID BL-91

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-538420
QUADRANGLE Big A Mountain PERMIT NO. _____ SCALE 1" = 400' DATE 05-03-22

NOTE: The mine locations are approximate locations taken from downloaded DMME data.
The maps are to be used for anticipated drilling conditions only.